

09/581500

FIG. 1

117

GTCTTTATTTTCATATAACTATGCTCTGATCTTTGTTACTTTCTCCTTTTAAC
TCAGTTTAAGCTTTATTCTTTATTTTCCAGCTGCTGAAGGTATATAGTTAGG
TTGTTTATTGGATACCATTCTTTCCCGTTAATGTCAGTGGTTACTGCTATC
AATGTAGCAGTTA

FIG. 2

ATAAGGTATATTATTTGTGTCGTGAGTTAAGAAATCATTAACTATTTT
CAGAATGACAAATGTCATTATATGTTGTAAAAAGATAAATACGTGAAAT
ATGAGGTTAAGAAAAGTTTA

FIG. 3

ACATAAAATGTCGCTCAAAAACAATTATGTGTGTCTACACATATGGGAAA
GCAGGAAACAAATTTGTTTACAACATACATTACTTTTGTGTTTATAGGCAAG
ATAAAATNTCCTACCTCCAAAACCACCAGCACNGTCCGCAATAACTATAC
ATC

FIG. 4

AATATCATTCTTCACCCACGTTATACATAAGAGACCAGAATGTGATATTGT
CATCTCACATGGAAAAATCTGCTGTGATCAGTTCCTGAAGCTTGCTGTGA
TCCTCCCTTAGGAAAGTAGAAAAATCTTTTGAACACTTTATTCTACAAT
CAATGAAAATTAGGTGAAGCTACAGAAGCCAGAAATTACTCTAAGATTAG
ACAATTATTTAAGANGACCAATTGTCTTTGGTCTTCTTCTGAAGGGTCTG
ACTACCCTCCTCCAAAGAATTCACTGGCCGTCGTTTACAACGTCNTGA

FIG. 5

GGAGGGTGTTNTCACANAAGTCTGGGGTGCGCTGTGTTGTTTCATTGTAA
AAACCCCTTTGGANCATCTGGGAATGTGCTGCCCCACATGTCCAGGTAAC
GTTCTCAGGAAGGGGAGGCTGGAAATCTCTGTGTGTTCTTACAGGAATG
CATGAAATCTCCCANCCCTCTTGTTGGAAATTTCCCTCACTTT

09/581500

FIG. 6

2/7

CTTCTCNATGANTGGACAAATGTCATTGGGTCAGCATGAGGCACAGCTT
ACCAGTTCCAGATTCCAGTAGCTGAGGAACAAATCTTAACTCCAAAAATAA
GTAATTGCGTCACTTTGGAGGAATTATTTGACC'TTTTCATAACTTTGACAT
CACAACAATGAGGGTGAAGTTAGTAAAATAAATGATTATTATGAGGATAA
AATGAGAAAATGAATTNAGTGCTTAAGACAATGCTTGTAAGTACTAGTTAAN
CCG

FIG. 7

GGTNTTTCACCTTGGTTGGTTAACATTACTTCTAAGTTTTTTATTGTTTTTA
TGCTATTGCTAATGGGATTGCTTTCCTAATTTATTTTTTCCAATAGCTTGT
TGTTAGTTTATATCAAATGCAACTGTTTTCTATGCAAATTATGTTTCCT

FIG. 8

TTGGTGGTGGCCCTAGGTTTGGCAATTATAAATAAAGCTGCTACAAACATT
CATGTGCAGGTCTCCGTGTGGACATAATTTCCAGTTCATTTGGGTAAAA
CCCAAGGGAGCACAACCTGTTGGATCCTATNATAAAAAATATNTCTCGTTTC
ATTTAAAAAACCTGGGAAACTATCTNCCCACAGTGGCTGTCCCTTTTTGT
ATCCCCACCAACAATGTTGGAAAGCCTATTGCCANCA

FIG. 9

CATGNCTCACAGTGTTCTGAGGCTGCTCTGGACATGCAATCTTGCATGC
TTTTGTCATGACAGGTCTTAAANAGTTTATCAGCTTNCTCAAATAGCTGAA
TGACANAACACTGGATTTTTGTTCAAATANCCTATCAACTTGGCNTCTGT
GTTGCGGTTGTCACCTGGTAACAAAATAAGTC

FIG. 10

TAATTGACAAATAAAAAATTGTATATTTTNCATATTTAACATGTTATGCTAAC
ATATATATGGATTGTGGAATGGCTAAGTCAGAAATTCTTTACATTCATAT
TTCCATATTATTTACTTTNNGCTTTAAAAAATATGTAAATGANAACTTAT
TTTTTTCAGTGTCACTGCCTTGATACTTTTACATTTNNGTTACATATTATT
CCCTTNCATCTAACAAATATATATTGAGTTTCTATAATGTGTCTGACACTG
A

FIG. 11

TGGTCACTGGTGCCTTATTTGGTTTGTTTGCTGAGGTCATATTTCTGTG
GCCTTCATGCTTGATTTGTTGGAGTCTAGCCATGTAAAANTCTGTTGGAG
TCTAGGCATTTAAAAAATAGGTATTTATTGTAATCTTTGCCATTTGCTTGT
TTGTATCCATCCTTCTTGGGAAGGCTTTACAGGCATTCAAAGG

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3/7











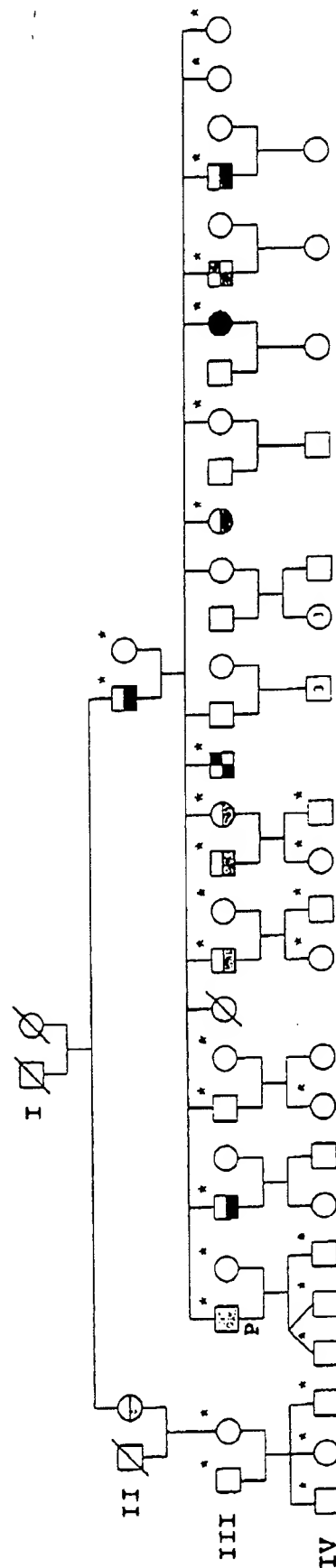
healthy male/female	deceased male/female	BPI	BPII	UP	MDD	SAm	SAd	proband	included in analysis
									

FIG. 12.

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417

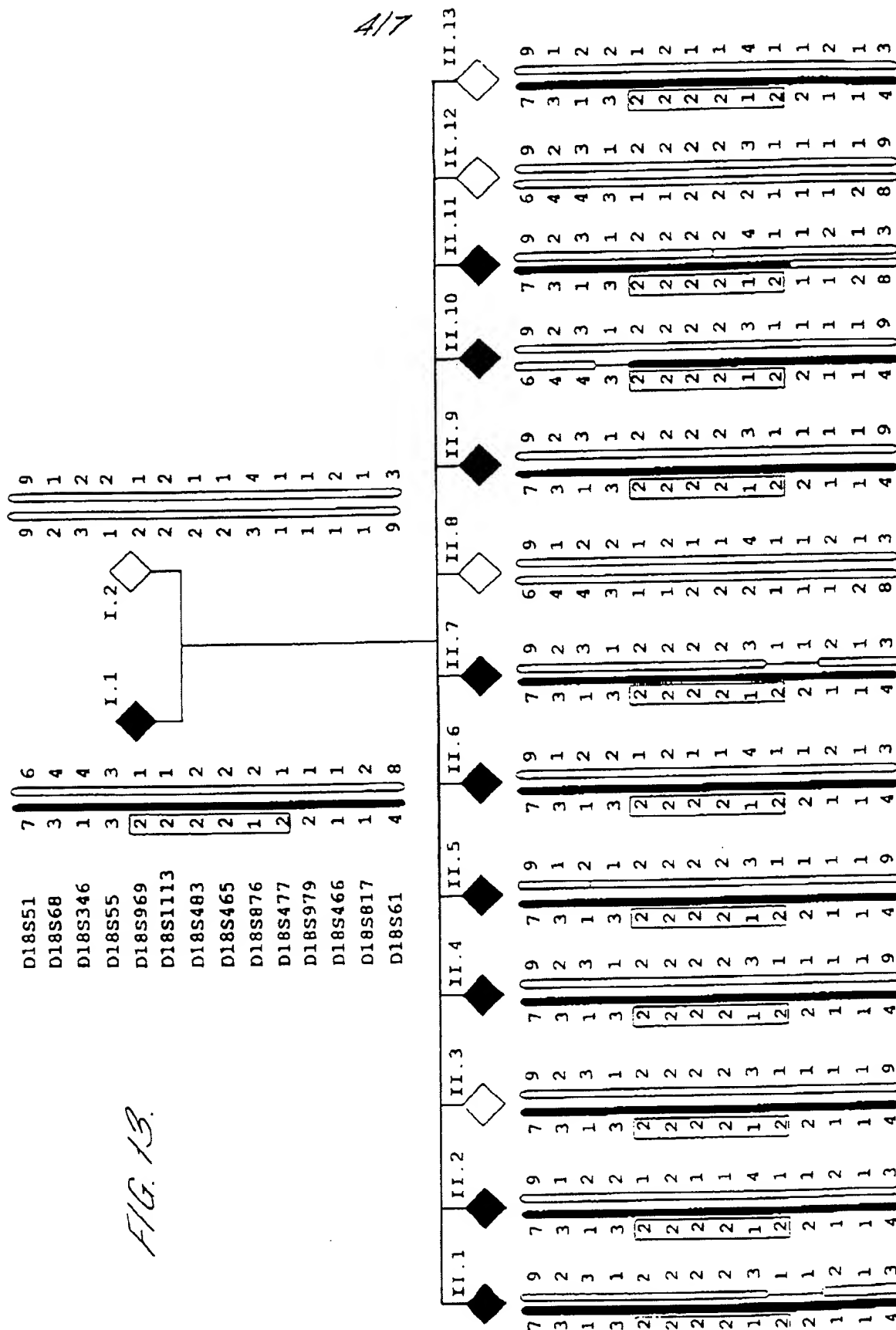
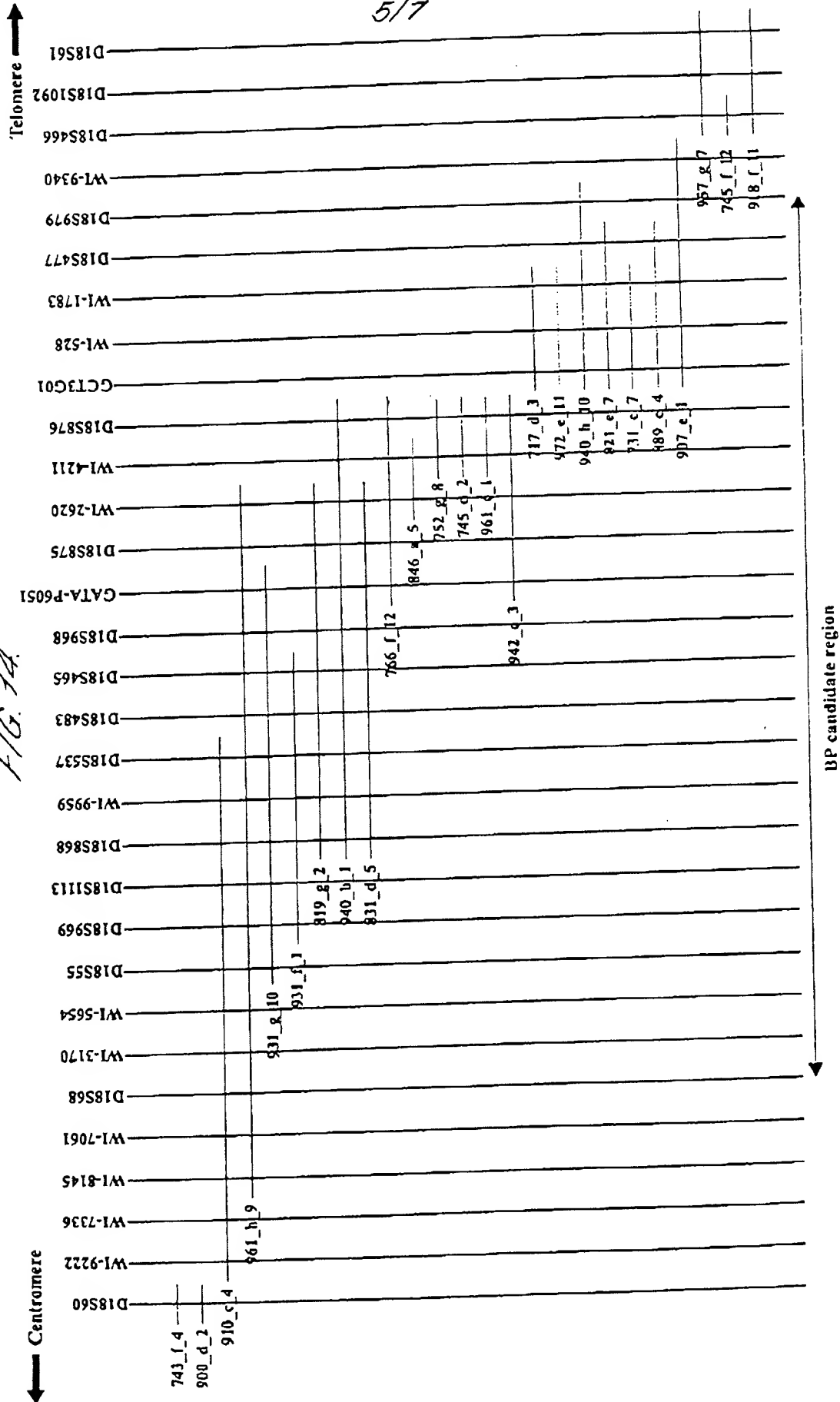


FIG. 13.

09/581500

5/7



09/581500

FIG. 15a.

6/7

GCCAACAAACAAAATGAAATAAGACCTGGGATGTATTTTTGGCCAAGGCAATTAGAAA
ATGATTAGTATCCTTATCAGGAGCAATTCAGAGAATGTTTGGGTGGACGTCTAACTACA
GTGGAGTCAAACGTGAATCAACGGTGAAAAAAGGACAATAGCCAATGTGTACACTTTTT
ATAAAAACCACCCTCCAAGGACCAGGCACTGGCCCTCTCTCCGGTGCCACAGACATC
CACACAGGCCCAAAGAATCAGGGATTGCACAAGCCAGAGCAATCGAACGGTTCTGAGT
CATCTGCCGGAAGCCTTGCCCTCAATCAAGGCGGACGTGAAGCATCTACAAAGGAGGA
ATAGTCAAAGCAGCAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG
AGGTGGGGGCTCTGCCAGGTACCGGGCGGGGCGGCGGCGGCGGCGGCGGCGGCGGCGG
CCCGCGGAGGCCACCTCTTCCCTGGAGTGCGTGAGAGAGGGGAAGGGAGGAAGG
CCAGAGCAGGAATCAGAGCGAGGCAAAGGCGGGCAGGAATAAGAGAATGACS
GCGGGAGGCGGCGGCGGAAAGAAATCTCTCGGGGCTGTGGGGGTCCCTGGCACC
AGCCGGGGTCCCAAGCCCCACCGCGAGACCCCGCGA

FIG. 15b.

5'-ATCGAACGGTTCTGAGTCATCT
5'-CGCTCTGATTCTGCTCTG

FIG. 16a.

ITCAGTAGAAGGAAGCACAGCAAATTTGCCCTTATAGAGATTCAATTCCTGGTGCTTGG
GCCAAAGAATAAGAATTACATTAAGCAGGCCGGGCACGGTGGCTCACACCTGTAAAC
CAGAACTTTGGGAGGGCCGAGGCAGGCAGATCATGAGGTCAGGAGATCGAGACCATCC
TGGACAACATAGTGAAACCCCATCTCTACTAAAAATACAAAAATTAGCCGGGCGATGGTG
GTGCATGCCGTGAATCCCAGCTACTCAGGAGGCGGAGGCAGGAGAATCCCTTGAACCA
GGGAGTTGGAGGTTGCAGTGAGCCGAGATCACGCCACAGCACTCTAGCCTGGCGACA
GAGTGAGACTCCATCTCAAAAAAAAAAAAAAAAAAAAAAAAAATTACATTAAGCAGCAGC
AGCAGCAGTGASAGAGGGAAKAATGAAAGAAGAAATTTCTAGAATAAGATTGA
TCTCCAGCACCATGCCAATCATGGACTGGATACAATTCATGCATATCTTTTGTGA
GAGAGGTGAGAGATGTGAATCCTTTCTCATT

FIG. 16b.

5'-AGAAGGAAGCACAGCAAATTTG
5'-GCATGGTGCTGGAGATCAAT

09/581500

FIG. 17a.

7/7

TGGGAGTTAAAGCAGACATTCCGGCTTINGTGTTGCCAGAGTTCTAACATAAGTTCTTTTT
CATCTGGGCAGGCNGATGTTCTTCCATCTTNGAAGNACNGTCTTTTCATTTTTTTAT
TTNGCTTTTGGSKTTTATCTTCTTAGACGTCTTCAGGAGTTKGATTGTAGKGTAAAGGCAG
ATTAGTTGACTGGGCTTTGTTTCTGGAATAATTTAAAGGGGCAAGTCTGGGCTGCAT
ATTCTTACTCTGGGGGCTTAGTACTGGCCCCTAAATTTGTCTCTGGCTCCTCAAGGTT
AGAAATCTGCTGGCTGGAGGGGCTGAGATGTTCTTGGCTGCTGGCCAGAACATTCCG
CCGGGGGGTGGCAACCGAAGTGTCTTTGGGCAATGGCAGCAGAATTCATGATTGTT
TTCATGTRCCAGCAGCAGTGGCAGCGCAKTGAGTTGCATGATTGTTGGCTGGGGC
TGAGTGCTGGCASGCACTGGAGTGTCTGGCTTCCAGTAGAAATTCACAGCAGTAG
TAGTGGTGGCATGGGAAGGAGGGCAGYGGTGGCATGGGGAGGACCCCC

FIG. 17b.

5'-GGCTGAGATGTTCTTGAAGTGC
5'-CCTTCCCATGCCACCACTACTA

FIG. 18a.

TGTAATTCAGCAATTTGGGGAGCCCAAGGCGGGCAGATTCATGAGTTCGGGAAGAT
TCGAGACCNTTCTGGCTAAACACGGGGGAAACCCNTTTTTACTAAAAATACCAAAA
AATTAACCTGGGCGTGGTGGCGGGCCCCAGCTANTCCGGAGGCTGAGGCAGGAGAAT
GGTGTGAACCCGGGAGGCGGAGCTTGCAGTGAGCCGAGATCCCGCTACTGCACTCCA
GCCTGGGCAATAGAGGGAGACTCCGTCTCAAAAAAAAAAAAAAAAAATAATAATAAAAA
AAAATAACAATAATAATACTAATAATTGCTTGATATTTTACAAAAGCAAAAGGAAAAGAAG
ACTAGGCAAGAAAAAAAAAACCTCCTTAGATGGTAGAACTCAGGTTTAAATTAATACTT
ATTCTGGTGTGAGSCTAGTTGTATTTTTGACCTCTTTAAATGCTCTGAACATGATATGG
AGTAACAGCGATGCTGCTGCTGCTGCTGCTGCTGATGGTGGTGGTGTTTTA
ATATCGAATAAAAGTTGTGGAACTAAATTTCAATTTCTGCCAATTAATAAGATT
GCAAAGTTAAACATCT

FIG. 18b.

5'-TTTGCAATCTTAGTTAATTGGC
5'-GAACTATGATATGGAGTAACAGCG

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